

MATERIAL SAFETY DATA SHEET

OSHA MEETS 29 CFR 1910.1200 STANDARDS

SPX ROBINAIR

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HMS HAZARD RATINGS:

HEALTH	1	0=Insignificant
FLAMMABILITY	2	1=Slight
REACTIVITY	3	2=Moderate
		3=High
		4=Extreme

TRANSPORTATION INFORMATION:

PROPER SHIPPING NAME: Flammable Liquids, n.o.s.
(Petroleum Distillate)

HAZARD CLASS/PKG GRP: 3/111
IDENTIFICATION NUMBER: UN 1993
REF: 49 CFR 173.150, .203, .242
LABEL: Flammable Liquid

SECTION 1 - PRODUCT/COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST):

16263 Fluorescent Dye Cleaner

MANUFACTURER'S NAME:

Bright Solutions, Incorporated

ADDRESS (NUMBER, STREET, P.O. BOX):

1738 Maplelawn Drive

(CITY, STATE, AND ZIP CODE):

Troy, Michigan 48084

EMERGENCY TELEPHONE NUMBER:

Chem-Trec (800) 424-9300

TELEPHONE NUMBER FOR INFORMATION:

(248) 614-9063

DATE PREPARED: October 2, 1997

SUPERCEDES: New

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	%(Optional)	ACGIH TWA	ACGIH STEL	SARA	RQ	
			PPM	MG/M ³	PPM	MG/M ³	TITLE1111 LBS

(SPECIFIC CHEMICAL IDENTITY: COMMON NAME(S)):

Trade secret (a)

(a) = The specific product is not identified due to "Trade Secret" status. In emergency situations, further information may be obtained by the on-duty physician calling the emergency information number listed above. Reference 29 CFR 1910.1200 and/or 40 CFR 350.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting, and malaise.

SKIN: Brief contact may cause slight irritation; prolonged contact may cause moderate irritation or dermatitis.

EYES: High vapor concentration or contact may cause irritation and discomfort.

INGESTION: May result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Minute amounts aspirated into the lungs can produce severe lung injury, chemical pneumonitis, pulmonary edema, or death.

EMERGENCY AND FIRST AID PROCEDURES

Remove victim to fresh air; provide oxygen if breathing is difficult; administer CPR if victim is not breathing; seek medical attention.

Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

Flush eyes with water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

DO NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.

HEALTH HAZARDS (ACUTE AND CHRONIC): Acute effects are possible irritation and discomfort; no known chronic effects have been established. Harmful or fatal if swallowed. Vapor harmful.

CARCINOGENICITY:

NPT? No

IARC MONOGRAPHS? No

OSHA REGULATED? No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED): 104°F (TCC)

FLAMMABLE LIMITS:

LEL: 0.7 UEL: 6.0

EXTINGUISHING MEDIA: CO₂; water fog; dry chemical; chemical foam

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters must wear full facepiece self-contained breathing apparatus in positive pressure mode. Do not use solid stream of water, since stream will scatter and spread fire. Fine water spray can be used to keep fire-exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers can explode due to buildup of pressure when exposed to extreme heat; do not use direct stream of water on pool fires as product may reignite on water surface. CAUTION: Material is combustible!

SECTION 5 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: COMBUSTIBLE - Evacuate and ventilate area; remove all sources of sparks, ignition, and open flames; confine and absorb into approved absorbant; place material into approved containers for disposal; do not wash to sewer or waterway.

SECTION 6 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: This material is combustible. It should be stored in tightly closed containers in a cool, well ventilated area. Vapor may form explosive mixtures in air. All sources of ignition should be controlled. This material may be classified as COMBUSTIBLE by DOT unless transported by vessel or aircraft. Refer to 49 CFR 173.120. Keep this and other chemicals out of reach of children; minimize body contact with this product as well as all chemicals in general. Avoid inhaling concentrated fumes or vapors.

SECTION 7 - EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits (Section 11) are kept below maximum allowable concentrations; if TWA exceeds limits. NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 for complete regulations

VENTILATION: LOCAL EXHAUST: Required

PROTECTIVE GLOVES: Neoprene or rubber

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby

WORK/HYGENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general

SPECIAL: To maintain minimum TWA and STEL levels

OTHER: Engineering and work controls as required

EYE PROTECTION: Goggles with side shields

SECTION 8 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 315°F

VAPOR PRESSURE (MM HG): <5mm @ 100°F

VAPOR DENSITY (AIR = 1)

SOLUBILITY IN WATER: Slight

APPEARANCE AND ODOR: Clear colorless liquid with mild odor

SPECIFIC GRAVITY: (WATER = 1)

VOLATILE ORGANIC COMPOUNDS (VOC'S): Not Specified

EVAPORATION RATE: (n-BUTYL ACETATE = 1)

% VOLATILE (BY WT): 100

SECTION 9 - STABILITY AND REACTIVITY

STABILITY:

Unstable:

Stable: XXX

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Thermal decomposition may yield CO; CO₂

HAZARDOUS POLYMERIZATION:

May occur:

Will not occur: XXX

CONDITIONS TO AVOID: Extreme temperatures; open flames, sparks

CONDITIONS TO AVOID: None

SECTION 10 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce concentrated hazardous vapors or fumes in a disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environmental Parts 260 - 299" for complete waste disposal regulations for ignitable materials. Consult your Local, State, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons, proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.